If you are using a printed copy of this procedure, and not the on-screen version, then you <u>MUST</u> make sure the dates at the bottom of the printed copy and the on-screen version match.

The on-screen version of the Collider-Accelerator Department Procedure is the Official Version.

Hard copies of all signed, official, C-A Operating Procedures are kept on file in the C-A ESHQ

Training Office, Bldg. 911A.

C-A OPERATIONS PROCEDURES MANUAL

ATTACHMENT

4.120.10.e 10 O'Clock (PEER 15) Mode 24 Tests

C-A-OP	M Procedures in v	which this Attachmen	t is used.
4.120.10			
	Hand Proc	essed Changes	
HPC No.	<u>Date</u>	Page Nos.	<u>Initials</u>
	Approved:	Signature on F	'ile
		er-Accelerator Depar	

4.120.10.e 10 O'Clock (PEER 15) Mode 24 Tests

PASS ANNUAL ACCEPTANCE TEST PROTOCOL

Division A Software Filename and Checksum: Title:	Checksum:		
Division B Software Filename and Checksum: Title:	Checksum:		
Initial testing complete:			
Test Team Leader's Name (Print):	Life Number:		
Test Team Leader's Name (Sign):	Date://		
Acceptance test procedure complete (following repairs and retesting if required):	•		
Test Team Leader's Name (Print):			
Test Team Leader's Name (FTIIIt):	_ Life Number:		
Test Team Leader's Name (Sign):	Date://		
Test results reviewed by:			
Safety Section Head's Name (Print):	_ Life Number:		
Cafeta Castina Hardia Nama (Cian)	Deter		
Safety Section Head's Name (Sign):	Date://		
Test results accepted by Radiation Safety Committee:			
RSC Member's Name (Print):	Life Number:		
RSC Member's Name (Sign):	Date://		

1.1 Verify necessary conditions for Mode 24

SET VERIFY	CD Key switch for CD Key switch for	XY ARCS XY ARCS
PLACE VERIFY	Peer 15 in Mode 16 Peer 15 is in Controlled Access	MODE 16
CLOSE RESET	Peer 15 gate: 11GS1 Peer 15 gates: 9GS1, 9EL1, 9GI1, 9ED1, 10GE1, 10GI1, 10EL1, 10ED1	
VERIFY	Peer 15 gates: □ 9GS1, □ 9EL1, □ 9GI1, □ 9ED1, □ 10GE1, □ 10GI1, □ 10EL1, □ 10ED1 are	RESET
SWEEP VERIFY	Peer 15 Zones: 9Z1, 10Z1, 10Z2 Peer 15 Zones: □ 9Z1, □ 10Z1, □ 10Z2 are	SWEPT
PLACE VERIFY RECORD	Peer 15 in Mode 24 Peer 15 is in No Access Duration [secs] of Beam Imminent Alarm	MODE 24
VERIFY PLACE	Red No Access Light at Gate 10GE1 Peer 15 in Mode 16	ILLUMINATED
VERIFY	Peer 15 is in Controlled Access	MODE 16
REMOVE VERIFY PLACE	Reset from gate 10GE1 MCR sees gate 10GE1 is Peer 15 in Mode 24	NOT RESET
VERIFY RESET	Attempt to place Peer 15 in No Access Mode Gate 10GE1	FAIL
VERIFY PLACE	MCR sees gate 10GE1 Peer 15 in Mode 24	RESET
VERIFY	MCR sees Peer 15 in No Access	MODE 24
PLACE VERIFY	Peer 15 in Mode 16 Peer 15 is in Controlled Access	MODE 16
REMOVE VERIFY	Sweep from zone 9Z1 MCR sees zone 9Z1 is	NOT SWEPT
PLACE VERIFY	Peer 15 in Mode 24 Attempt to place Peer 15 in No Access Mode	FAIL
SWEEP VERIFY	Zone 9Z1 MCR sees zone 9Z1 Pour 15 in Mode 24	SWEPT
PLACE VERIFY	Peer 15 in Mode 24 MCR sees Peer 15 in No Access	MODE 24
PLACE VERIFY	Peer 15 in Mode 16 Peer 15 is in Controlled Access	MODE 16

[☐] Check for test acceptance of Verify necessary conditions for Mode 24

1.2 Verify System Response to Opening a Gate while in Mode 24

VERIFY	CD Key switch for	XY ARCS
PLACE	Peer 15 in Mode 24	
VERIFY	MCR sees Peer 15 in No Access	MODE 24
WAIT	For Beam Imminent Alarm to stop sounding	
SET	RHIC Primary Beam Stop Withdraw command	OUT
VERIFY	MCR sees RHIC Injection CD	DISABLED
VERIFY	MCR sees RHIC Permit Link	ENABLED
VERIFY	MCR sees RHIC Injection inhibit	OFF
VERIFY	MCR sees RHIC ring inhibit	OFF

FOLLOW	Test schedule in Table 1,	below
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Open gate	Verify peer 15 go to Mode 2	Verify sweep lost	Verify RHIC ring inh ON	Verify peer 15 Permit Link is disabled	Verify RHIC Inj. Inh ON	Place peer 15 in Mode 24 & alarm stop	Set RHIC prmy BS w/draw cmd OUT	Verify RHIC ring inh ON	Verify peer 15 Permit Link is enabled	Verify RHIC Inj. Inh OFF	Go to next gate
9ED1											
10GE1											

Table 1- Test of Gates in Mode 24

☐ Check for test acceptance of System Response to Opening a Gate while in Mode 24

1.3 Verify Entry gates are securely locked in Mode 24

PLACE VERIFY WAIT	Peer 15 in Mode 24 MCR sees Peer 15 in No Access For Beam Imminent Alarm to stop sounding	MODE 24
OPEN VERIFY	Gate 10GE1 with #14 Key and Simultaneous Release Attempt to open gate 10GE1 with #14 Key and Simultaneous Release	FAIL
OPEN VERIFY	Gate 10GE1 with Blue Card Attempt to open gate 10GE1 with Blue Card	FAIL

☐ Check for test acceptance of Verify Entry gates are securely locked in Mode 24

1.4 Verify System Response to Pulling a Crash Cord while in Mode 24

Test in Zone 9Z1

VERIFY	CD Key switch for	XY ARCS
PLACE VERIFY WAIT	Peer 15 in Mode 24 MCR sees Peer 15 in No Access For Beam Imminent Alarm to stop sounding	MODE 24
SET	RHIC Primary Beam Stop Withdraw command	OUT
VERIFY VERIFY VERIFY VERIFY PULL	MCR sees RHIC Injection CD MCR sees RHIC Permit Link MCR sees RHIC Injection inhibit MCR sees RHIC ring inhibit Any Zone 9Z1 crash cord [System #:]	DISABLED ENABLED OFF OFF
VERIFY VERIFY	Peer 15 goes to Sweep is	MODE 2 LOST
VERIFY VERIFY VERIFY VERIFY	MCR sees RHIC Injection CD MCR sees RHIC Permit Link MCR sees RHIC Injection inhibit MCR sees RHIC ring inhibit	DISABLED DISABLED ON ON
REARM RESET VERIFY	Crash device Crash at MCR Crash is	RESET
PLACE VERIFY	Peer 15 in Mode 24 Peer 15 is in Beam Imminent Mode	MODE 24
PULL	Any Zone 9Z1 crash cord [System #:] when alarm starts sounding	
VERIFY VERIFY VERIFY PLACE VERIFY REARM RESET	Beam Imminent alarm Peer 15 has moved to MCR sees Zone 9Z1 Peer 15 in Mode 8 (Restricted Access) Attempt to go to Mode 8 Crash device Crash at MCR	STOPS MODE 2 CRASHED FAIL
VERIFY PLACE VERIFY	Crash is Peer 15 in Mode 8 MCR sees Peer 15 in Restricted Access	RESET MODE 8
Test in Zone	10Z1	
PLACE VERIFY WAIT	Peer 15 in Mode 24 MCR sees Peer 15 in No Access For Beam Imminent Alarm to stop sounding	MODE 24

	SET	RHIC Primary Beam Stop Withdraw command	OUT
	VERIFY	MCR sees RHIC Injection CD	DISABLED
	VERIFY	MCR sees RHIC Permit Link	ENABLED
	VERIFY	MCR sees RHIC Injection inhibit	OFF
	VERIFY	MCR sees RHIC ring inhibit	OFF
	PULL	Any Zone 10Z1 crash cord [System #:]	
	VERIFY	Peer 15 goes to	MODE 2
	VERIFY	Sweep is	LOST
	VERIFY	MCR sees RHIC Injection CD	DISABLED
П	VERIFY	MCR sees RHIC Permit Link	DISABLED
П	VERIFY	MCR sees RHIC Injection inhibit	ON
П	VERIFY	MCR sees RHIC ring inhibit	ON
ш	VERII I	NEX 5005 Killo ling immot	OIV
	REARM	Crash device	
	RESET	Crash at MCR	
	VERIFY	Crash is	RESET
_	PLACE	Peer 15 in Mode 24	MODE 44
	VERIFY	Peer 15 is in Beam Imminent Mode	MODE 24
	PULL	Any Zone 10Z1 crash cord [System #:] when	
		alarm starts sounding	
	VERIFY	Beam Imminent alarm	STOPS
	VERIFY	Peer 15 has moved to	MODE 2
	VERIFY	MCR sees Zone 10Z1	CRASHED
	PLACE	Peer 15 in Mode 8 (Restricted Access)	
	VERIFY	Attempt to go to Mode 8	FAIL
	REARM	Crash device	
	RESET VERIFY	Crash at MCR Crash is	RESET
	PLACE	Peer 15 in Mode 8	KESE I
П	VERIFY	MCR sees Peer 15 in Restricted Access	MODE 8
Ш	VEXII I	NICK SCCS I CCI 13 III RESUITCEU ACCESS	MODE 6
	Test in Zone	10Z2	
	PLACE	Peer 15 in Mode 24	
П	VERIFY	MCR sees Peer 15 in No Access	MODE 24
	WAIT	For Beam Imminent Alarm to stop sounding	MODE 2.
	· · -		
	SET	RHIC Primary Beam Stop Withdraw command	OUT
	VERIFY	MCR sees RHIC Injection CD	DISABLED
	VERIFY	MCR sees RHIC Permit Link	ENABLED
	VERIFY	MCR sees RHIC Injection inhibit	OFF
П	VERIFY	MCR sees RHIC ring inhibit	OFF
	, MINIE I	1101 5005 Relie in minut	011

	PULL	Any Zone 10Z2 crash cord [System #:]	
	VERIFY	Peer 15 goes to	MODE 2
	VERIFY	Sweep is	LOST
	VERIFY	MCR sees RHIC Injection CD	DISABLED
	VERIFY	MCR sees RHIC Permit Link	DISABLED
	VERIFY	MCR sees RHIC Injection inhibit	ON
	VERIFY	MCR sees RHIC ring inhibit	ON
	REARM	Crash device	
	RESET	Crash at MCR	
	VERIFY	Crash is	RESET
	PLACE	Peer 15 in Mode 24	
	VERIFY	Peer 15 is in Beam Imminent Mode	MODE 24
	PULL	Any Zone 10Z2 crash cord [System #:] when	
	1022	alarm starts sounding	
	VERIFY	Beam Imminent alarm	STOPS
П	VERIFY	Peer 15 has moved to	MODE 2
	VERIFY	MCR sees Zone 10Z2	CRASHED
	PLACE	Peer 15 in Mode 8 (Restricted Access)	
	VERIFY	Attempt to go to Mode 8	FAIL
	REARM	Crash device	
	RESET	Crash at MCR	
	VERIFY	Crash is	RESET
	PLACE	Peer 15 in Mode 8	140000
	VERIFY	MCR sees Peer 15 in Restricted Access	MODE 8
	PLACE	Peer 15 in Mode 24	
	VERIFY	MCR sees Peer 15 in No Access	MODE 24
	WAIT	For Beam Imminent Alarm to stop sounding	
	SET	RHIC Primary Beam Stop Withdraw command	OUT
	VERIFY	MCR sees RHIC Injection CD	DISABLED
	VERIFY	MCR sees RHIC Permit Link	ENABLED
	VERIFY	MCR sees RHIC Injection inhibit	OFF
	VERIFY	MCR sees RHIC ring inhibit	OFF

[☐] Check for test acceptance of Verify System Response to Pulling a Crash Cord while in Mode 24

1.5	Verify System	Response to	ODH trin	while in Mode 24
1.0	V CI II Y D Y D CCIII	Tresponde to	ODII GIP	Willie III Mioue # 1

VERIFY	CD Key switch for	XY ARCS
PLACE VERIFY WAIT	Peer 15 in Mode 24 MCR sees Peer 15 in No Access For Beam Imminent Alarm to stop sounding	MODE 24
SET	RHIC Primary Beam Stop Withdraw command	OUT
VERIFY	MCR sees RHIC Injection CD on CD pg	DISABLED
VERIFY	MCR sees RHIC Permit Link	ENABLED
VERIFY	MCR sees RHIC Injection inhibit	OFF
VERIFY	MCR sees RHIC ring inhibit	OFF
TRIP	ODH sensor using test button, following Table 2 , bel	low

ODH sensor	Trip sensor	Verify Peer 15 stays in Mode 24	Verify BS withdraw cmd OUT	Verify Rhic ring inh OFF	Verify Permit link is enabled	Verify Rhic Inj. Inh OFF	Verify strobe on	Verify sonalert on	Verify fans & vents off	Go to
9AS2/A										
9AS2/B										Next ODH
10XAS1/A										
10XAS1/B										Next ODH
10AS1/A										
10AS1/B										End of test

Table 2 – Test of ODH sensors in Mode 24

 $\ \square$ Check for test acceptance of Verify System Response to ODH trip while in Mode 24

1.6 Test Emergency fan ON/OFF controls at 10GE1 in Mode 24

PLACE	Peer 15 in Mode 24	
VERIFY	MCR sees Peer 15 in No Access	MODE 24
WAIT	For Beam Imminent Alarm to stop sounding	
PRESS	Emergency fan ON button at gate 10GE1	
WAIT	For 90 sec timeout counter	
VERIFY	Fan 9EF2 is	ON
VERIFY	Fan 10EF1 is	ON
VERIFY	Fan 11EF1 is	ON
VERIFY	Fan 10XEF1 is	ON
VERIFY	Fan 10XEF2 is	ON
VERIFY	Fan 10XSF1 is	ON
VERIFY	Fan 10XSF2 is	ON
VERIFY	Vent 9AV1 is	OPEN
VERIFY	Vent 9AV2 is	OPEN
VERIFY	Vent 9AV3 is	OPEN
VERIFY	Vent 9AV4 is	OPEN
VERIFY	Vent 10AV1 is	OPEN
VERIFY	Vent 10AV2 is	OPEN
VERIFY	Vent 10AV3 is	OPEN
VERIFY	Vent 10AV4 is	OPEN
VERIFY	Vent 11AV1 is	OPEN
PRESS	Emergency fan OFF button at gate 10GE1	
WAIT	For 90 sec timeout counter	
VERIFY	Fan 9EF2 is	OFF
VERIFY	Fan 10EF1 is	OFF
VERIFY	Fan 11EF1 is	OFF
VERIFY	Fan 10XEF1 is	OFF
VERIFY	Fan 10XEF2 is	OFF
VERIFY	Fan 10XSF1 is	OFF
VERIFY	Fan 10XSF2 is	OFF
VERIFY	Vent 9AV1 is	CLOSED
VERIFY	Vent 9AV2 is	CLOSED
VERIFY	Vent 9AV3 is	CLOSED
VERIFY	Vent 9AV4 is	CLOSED
VERIFY	Vent 10AV1 is	CLOSED
VERIFY	Vent 10AV2 is	CLOSED
VERIFY	Vent 10AV3 is	CLOSED
VERIFY	Vent 10AV4 is	CLOSED
VERIFY	Vent 11AV1 is	CLOSED

[☐] Check for acceptance of Test Emergency fan ON/OFF controls at 10GE1 in Mode 24

1.7 Test MCR reset of Emergency ON/OFF at 10GE1 in Mode 24

VERIFY	MCR sees Peer 15 in No Access	MODE 24
PRESS WAIT	Emergency fan ON button at gate 10GE1 For 90 sec timeout counter	
VERIFY	Fan 9EF2 is Fan 10EF1 is Fan 11EF1 is Fan 10XEF1 is Fan 10XEF2 is Fan 10XSF1 is Fan 10XSF2 is Vent 9AV1 is Vent 9AV2 is Vent 9AV3 is Vent 9AV4 is Vent 10AV1 is Vent 10AV4 is Vent 10AV3 is Vent 10AV3 is	ON ON ON ON ON ON ON ON OPEN OPEN OPEN O
PRESS WAIT	Emergency fan OFF button at MCR For 90 sec timeout counter	
VERIFY	Fan 9EF2 is Fan 10EF1 is Fan 11EF1 is Fan 10XEF1 is Fan 10XEF2 is Fan 10XSF1 is Fan 10XSF2 is Vent 9AV1 is Vent 9AV2 is Vent 9AV3 is Vent 9AV4 is Vent 10AV1 is Vent 10AV1 is Vent 10AV2 is	OFF OFF OFF OFF OFF CLOSED CLOSED CLOSED CLOSED CLOSED CLOSED CLOSED CLOSED

[☐] Check for acceptance of Test MCR reset of Emergency ON/OFF at 10GE1 in Mode 24

1.8	Te	est local fan co	ontrols in service building 1010A Mode 24	
		VERIFY	MCR sees Peer 15 in No Access	MODE 24
		PRESS	Fan ON button at fan box	
		VERIFY	1010A fan is	ON
		VERIFY	1010A vent is	OPENED
		TURN OFF	1010A fan using MCR Fan OFF button	
		VERIFY	Attempt to turn off 1010A fan using MCR Fan OFF button	FAIL
		PRESS	Fan OFF button at fan box	
		VERIFY	1010A fan is	OFF
		VERIFY	1010A vent is	CLOSED
		Check for	acceptance of Test local fan controls in service building 1010A M	Iode 24
1.9	Tes	t Division A lo	oss of Remote I/O in Mode 24	
		VERIFY	CD Key switch is set for	XY ARCS
		VERIFY	MCR sees Peer 15 in No Access	MODE 24
		SET	RHIC Primary Beam Stop Withdraw command	OUT
		VERIFY	MCR sees RHIC Injection CD on CD pg	DISABLED
		VERIFY	MCR sees RHIC Permit Link	ENABLED
		VERIFY	MCR sees RHIC Injection inhibit	OFF
		VERIFY	MCR sees RHIC ring inhibit	OFF
		UNPLUG	Remote I/O cable from Scanner module in Peer 15A	
		VERIFY	MCR sees Peer 15 Div A CD RIO on H/W pg	FAULT
		VERIFY	MCR sees Peer 15 Div A go to	MODE 2
		VERIFY	MCR sees RHIC Injection CD on CD pg	DISABLED
		VERIFY	MCR sees Div A RHIC Permit Link	DISABLED
		VERIFY	MCR sees Div A RHIC Injection inhibit	ON
		VERIFY	MCR sees Div A RHIC ring inhibit	ON
		VERIFY	MCR sees Div A RHIC Injn rhbk latch	ON
		VERIFY	MCR sees Div A RHIC rhbk latch	ON
		VERIFY	MCR sees on CD pg W	REACHBACK
		VERIFY	MCR sees on CD pg RHIC	REACHBACK
		VERIFY	MCR sees on CD pg BS G3	IN
		REPLACE	Remote I/O cable at Scanner module in Peer 15A	
		RESET	NG CRIT I/O condition at MCR	
		VERIFY	MCR sees CD RIO	OK

		PLACE VERIFY	Peer 15 in Mode 2 MCR sees Peer 15 in Safe Access	MODE 2
		PLACE	Peer 15 in Mode 16	
		VERIFY	MCR sees Peer 15 in Controlled Access	MODE 16
		Check for	test acceptance of Division A loss of Remote I/O in Mode 24	
1.10	Te	est Division B l	loss of Remote I/O in Mode 24	
		VERIFY	CD Key switch is set for	XY ARCS
		VERIFY	MCR sees Peer 15 in No Access	MODE 24
		SET	RHIC Primary Beam Stop Withdraw command	OUT
		VERIFY	MCR sees RHIC Injection CD on CD pg	DISABLED
		VERIFY	MCR sees RHIC Permit Link	ENABLED
		VERIFY	MCR sees RHIC Injection inhibit	OFF
		VERIFY	MCR sees RHIC ring inhibit	OFF
		UNPLUG	Remote I/O cable from Scanner module in Peer 15B	
		VERIFY	MCR sees Peer 15 Div B CD RIO on H/W pg	FAULT
		VERIFY	MCR sees Peer 15 Div B go to	MODE 2
		VERIFY	MCR sees RHIC Injection CD on CD pg	DISABLED
		VERIFY	MCR sees Div B RHIC Permit Link	DISABLED
		VERIFY	MCR sees Div B RHIC Injection inhibit	ON
		VERIFY	MCR sees Div B RHIC ring inhibit	ON
		VERIFY	MCR sees Div B RHIC Injn rhbk latch	ON
		VERIFY	MCR sees Div B RHIC rhbk latch	ON
		VERIFY	MCR sees on CD pg W	REACHBACK
		VERIFY	MCR sees on CD pg RHIC	REACHBACK
		VERIFY	MCR sees on CD pg BS G3	IN
		REPLACE	Remote I/O cable at Scanner module in Peer 15B	
		RESET	NG CRIT I/O condition at MCR	
		VERIFY	MCR sees CD RIO	OK
		PLACE	Peer 15 in Mode 2	
		VERIFY	MCR sees Peer 15 in Safe Access	MODE 2
		PLACE	Peer 15 in Mode 16	
	П	VERIFY	MCR sees Peer 15 in Controlled Access	MODE 16
	_			

Check for test acceptance of Division B loss of Remote I/O in Mode 24

1.11 Sweep tests in Mode 24

	VERIFY	Peer 15 gate: 11GS1 is	CLOSED
	RESET	Peer 15 gates: 9GS1, 9EL1, 9GI1, 9ED1, 10GE1, 10GI1, 10EL1,	
_	VEDIEV.	10ED1	
Ш	VERIFY	Peer 15 gates: \square 9GS1, \square 9EL1, \square 9GI1, \square 9ED1, \square 10GE1,	
		□ 10GI1, □ 10EL1, □ 10ED1 are	RESET
	SWEEP	Peer 15 Zones: 9Z1, 10Z1, 10Z2	
	VERIFY	Peer 15 Zones: □ 9Z1, □ 10Z1, □10Z2 are	SWEPT
	PLACE	Peer 15 in Mode 24	
	VERIFY	Peer 15 is in No Access	MODE 24
	PLACE	Peer 15 in Mode 16	
	VERIFY	Peer 15 is in Controlled Access	MODE 16

FOLLOW Test Schedule in Table 3, below

Zone	Gate	Open gate	Verify sweep lost	Verify cannot sweep with gate open	Close gate	Force sweep	Verify cannot go to Mode 24	Reset gate	Verify can go to Mode 24	Go to Mode 16 & next gate
9Z1	9GI1									
10Z1	10GE1									
10Z2	10ED1									

Table 3 – Sweep tests in Mode 24

☐ Check for acceptance of Sweep tests in Mode 24

1.12 Chipmunk Tests in Mode 24

ATTACH PLACE	Test Box to Chipmunk prior to test Peer 15 in Mode 24	
VERIFY	MCR sees Peer 15 in No Access	MODE 24
WAIT	For Beam Imminent Alarm to stop sounding	
SET	RHIC Primary Beam Stop Withdraw command	OUT
VERIFY	MCR sees RHIC Injection CD	DISABLED
VERIFY	MCR sees RHIC Permit Link	ENABLED
VERIFY	MCR sees RHIC Injection inhibit	OFF
VERIFY	MCR sees RHIC ring inhibit	OFF

C'munk	Press & verify div A trip	Verify Peer 15 stays in mode 24	Verify div A Rhic ring inh ON	Verify div A Rhic permit link disabled	Verify div A Rhic Inj. Inh ON	Reset all Systems & cycle BS cmd to OUT	Verify div A Rhic ring inh OFF	Verify div A Rhic permit link enabled	Verify div A Rhic Inj. Inh OFF	Goto table 5 for div B trip
C98										

Table 4 – Division A trip test in Mode 24

C'munk	Press & verify div B trip	Verify Peer 15 stays in mode 24	Verify div B Rhic ring inh ON	Verify div B Rhic permit link disabled	Verify div B Rhic Inj. Inh ON	Reset all Systems & cycle BS cmd to OUT	Verify div A & B Rhic ring inh OFF	Verify div A & B Rhic permit link enabled	Verify div A & B Rhic Inj. inh OFF	Goto table 6 for div A fails
C98										

Table 5 – Division B Trip test in Mode 24

C'munk	Press & verify div A fails	Verify Peer 15 divA goes to mode 2	Verify div A Rhic ring inh ON	Verify div A Rhic permit link disabled	Verify div A Rhic Inj. Inh ON	Reset all systms & place Peer 15 div A & B in Mode 2	Place Peer 15 in mode 24 & alarm stop	Verify pmry BS with-draw cmd is OUT	Verify div A & B Rhic ring inh OFF	Verify div A & B Rhic permit link enabled	Verify div A & B Rhic Inj. Inh OFF	Go to table 7 for div B fails
C98												

Table 6 - Division A Fails test in Mode 24

•	C'munk	Press & verify div B fails	Verify Peer 15 divB goes to mode 2	Verify div B Rhic ring inh ON	Verify div B Rhic permit link disabled	Verify div B Rhic Inj. Inh ON	Reset all systms & place Peer 15 div A & B in Mode 2	Place Peer 15 in mode 24 & alarm stop	Verify pmry BS with-draw cmd is OUT	Verify div A & B Rhic ring inh OFF	Verify div A & B Rhic permit link enabled	Verify div A & B Rhic Inj. Inh OFF	See end of test instrns below
	C98												

					<u> </u>	2				
C98						_				
Table 7 – Division B Fails test in Mode 24 End of Test Instructions: DETACH Test Box from Chipmunk after test CONNECT Cable to Chipmunk RESET Chipmunk faults at MCR										
	VERIF	FY N	MCR sees Chipmunk OK							
	ATTA STAR		Test Box to next Chipmunk for test / or end Chipmunk test Test sequence at Table 4							
☐ Check for acceptance of Chipmunk Tests in Mode 24										
END OF TEST PROCEDURE										
TTI . Cian for completion of initial toating.										
TTL: Sign for completion of initial testing:										
								Date:	/	_/
TTL: Sign for completion of final testing:										
								Date:	/	/